

Claims

1. A backlight assembly comprising:

a light guide plate including a light incidence face, a light reflecting face and
5 a light exiting face, the light reflecting face reflecting a first light toward the light
exiting face to transform the first light into a second light, the second light exiting
from the light exiting face, a width of the light incidence face being a first distance;

a light reflecting member for covering the light incidence face so as to form a
lamp receiving space, the lamp receiving space being defined by the light reflecting
10 member and the light incidence face;

at least two lamps disposed in the lamp receiving space, the two lamps being
spaced apart from each other by a second distance, a sum of diameters of the two
lamps and the second distance being longer than the first distance; and

a receiving container for receiving the light guide plate and the light
15 reflecting member.

2. The back light assembly of claim 1, wherein the light incidence face
has a groove for receiving a portion of one of the lamps.

20 3. The back light assembly of claim 2, wherein a cross-section of the
groove has a curved shape, the cross-section being taken along a line perpendicular
to a longitudinal direction of the lamps.

4. The back light assembly of claim 2, wherein a cross-section of the
25 groove has a V-shape, the cross-section being taken along a line perpendicular to a
longitudinal direction of the lamps.

5. The back light assembly of claim 1, wherein a diameter of the two lamps are same with each other.

6. The back light assembly of claim 1, wherein the lamps includes a first lamp and a second lamp, the first lamp being disposed near to a first edge of the light incidence face and the light reflecting face, and the second lamp being disposed near to a second edge of the light reflecting member, the second edge being diagonally opposite to the first edge.

7. The back light assembly of claim 6, wherein the light reflecting member includes a chamfer disposed at the second edge, the chamfer enhancing a light reflection efficiency.

8. The back light assembly of claim 1, wherein the lamps includes a first lamp and a second lamp, the first lamp being disposed near to a third edge between the light incidence face and the light exiting face, and a second lamp being disposed near to a fourth edge of the light reflecting member, the fourth edge being diagonally opposite to the third edge.

9. The back light assembly of claim 8, wherein the light reflecting member includes a chamfer disposed at the fourth edge, the chamfer enhancing a reflection efficiency.

10. The back light assembly of claim 1, wherein centers of the lamps are positioned in a same plane that is parallel to the light exiting face.

11. A liquid crystal display device comprising:

a back light assembly including, i) a light guide plate including a light incidence face, a light reflecting face and a light exiting face, the light reflecting face reflecting a first light toward the light exiting face to transform the first light into a second light, the second light exiting from the light exiting face, a width of the light incidence face being a first distance, ii) a light reflecting member for covering the light incidence face so as to form a lamp receiving space, the lamp receiving space being defined by the light reflecting member and the light incidence face, iii) at least two lamps disposed in the lamp receiving space, the two lamps being spaced apart from each other by a second distance, a sum of diameters of the two lamps and the second distance being longer than the first distance, and iv) a receiving container for receiving the light guide plate and the light reflecting member;

a liquid crystal display panel assembly for displaying an image, the liquid crystal display panel assembly facing the light exiting face and being received by the receiving container; and

a chassis, a first portion of the chassis pressing an edge of the liquid crystal display panel, a second portion of the chassis being combined with the receiving container so as to prevent the liquid crystal display panel from being detached from the receiving container.

12. The liquid crystal display device of claim 11, wherein the light incidence face has a groove for receiving a portion of one of the lamps.

13. The liquid crystal display device of claim 12, wherein a cross-section of the groove has a curved shape, the cross-section being taken along a line perpendicular to a longitudinal direction of the lamps.

14. The liquid crystal display device of claim 12, wherein a cross-section

of the groove has V-shape, the cross-section being taken along a line perpendicular to a longitudinal direction of the lamps.

15. The liquid crystal display device of claim 11, wherein a diameter of
5 the two lamps are same with each other.

16. The liquid crystal display device of claim 11, wherein the lamps
includes a first lamp and a second lamp, the first lamp being disposed near to a first
edge between the light incidence face and the light reflecting face, and the second
10 lamp being disposed near to a second edge of the light reflecting member, the
second edge being diagonally opposite to the first edge.

17. The liquid crystal display device of claim 16, wherein the light
reflecting member includes a chamfer disposed at the second edge, the chamfer
15 enhancing a light reflection efficiency.

18. The liquid crystal display device of claim 11, wherein the lamps
includes a first lamp and a second lamp, the first lamp being disposed near to a third
edge between the light incidence face and the light exiting face, and a second lamp
20 being disposed near to a fourth edge of the light reflecting member, the fourth edge
being diagonally opposite to the third edge.

19. The liquid crystal display device of claim 18, wherein the light
reflecting member includes a chamber disposed at the fourth edge, the chamfer
25 enhancing a reflection efficiency.

20. The back light assembly of claim 11, wherein centers of the lamps are

positioned in a same plane that is parallel to the light exiting face.